

REFERENCE

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D.S.
6/86

SITE NAME

H.P.L.F.

SITE ID

ILD981795479

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT

Annual Report

October 1, 1984 - September 30, 1985

ENVIRONMENTAL ASSESSMENT OF FIFTEEN CLOSED LANDFILLS
IN LAKE COUNTY

by

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EPA Region 5 Records Ctr.



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Lake County Health Department
Division of Environmental Health
Waukegan, Illinois

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LAKE COUNTY DEPT.
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HIGHLAND PARK LANDFILL

This landfill is located just east of Route 41 and south of Half Day Road (Rte. 22) near Highland Park. The plat location is the NW¼ of Section 22, Township 43 North, Range 12 East in Deerfield Township. The size of the site is approximately 80 acres. There are drainage ditches along the west and south sides of the landfill. Both of the ditches drain into the Skokie River which borders the east side of the site. The landfill is placed in an area classified as Made Land by the SCS which consists of manmade cuts and fills. The soils around the landfill were classified as Peotone silty clay loam, Saylesville silt loam and Del Rey silt loam.

The Peotone silty clay loam consists of clay, level to depressional, very poorly drained soils that formed in thick silty and clayey water deposited materials. These soils have moderately slow permeability. The available moisture capacity is high. The water table is at the surface in the spring and one foot below the surface the rest of the year.

The Saylesville silt loam, 1 to 4 percent slope, consists of deep, nearly level to gently sloping moderately well drained to well drained soils that formed in moderately fine textured calcareous glacial lake bed deposits. These soils have moderately slow permeability and high moisture capacity. The water table is generally 3 feet below the surface.

The Del Rey silt loam soils, 0 to 2 percent slope, are similar to the Saylesville soils but differ in the drainage class. Del Rey soils are somewhat poorly drained.

The surficial geology of the area is beach sand of the Equality Formation, Dolton Member. It is a scoured floor of a pre-existing glacial lake. The

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surficial material is largely underlain by glacial till with localized thin deposits of silt, sand and clay which can be up to 10 feet thick. Depth to the Silurian dolomite bedrock is estimated to be 200 feet below ground level.

The LCHD granted a permit to operate a solid waste disposal site to the City of Highland Park in February 1963. Waste accepted at the landfill included residential, commercial and industrial refuse, along with septic tank sludge and sludge from North Shore Sanitary District. Daily deposits were 970 cubic yards per day of refuse, 750 cubic yards per day of septic sludge and 135 cubic yards per day of combustible material. The garbage and refuse were buried in three 30 foot deep trenches. The combustibles were burned in an incinerator.

Inspections by the LCHD found violations of exposed garbage, air pollution, odor problems, pumping polluted water into the Skokie River, and leachate seeps.

The landfill was closed in January 1970 but did not receive final cover until March 1974. In September 1974, the Highland Park Country Club bought the south two-thirds of the landfill. The site was approved as closed and covered by the IEPA in October 1976. Currently, a golf course is on the southern two-thirds of the closed landfill and a nursery is on the northern one-third.

The site was inspected and water samples were collected twice by the LCHD during the 1983-1984 grant period (see map). The inspections found the landfill to be well maintained. There were not any leachate seeps found, although some leachate odor was noticed near the southwest corner. The laboratory analysis indicated that the surface water was not being degraded by contamination from the landfill (see Appendix C-88).

The landfill will only be inspected during the 1984-1985 grant period. Water monitoring of the surface water will be resumed if erosion and leachate seeps are found during the inspection.